

Please type a plus sign (+) → +

Patent and Trademark Office

U.S. DEPARTMENT OF COMMERCE

1449/PTO

U.S. Department of Commerce

Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 1

JUN 01 2005

Application No. : 09/318,445

Filing Date : May 25, 1999

First Named Inventor : S. MIYOSHI

Group Art Unit :

Examiner Name :

Attorney Docket No. : FUJA 16.140

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document	Kind Code if known <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
Ph		5,222,077		KRISHNAN	06-22-1993	

**FOREIGN DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
Ph		0 828 363	EP	TEXAS INSTRUMENTS INCORPORATED	03-11-1998	
Ph		1 098 463	EP	FUJITSU LTD.	05-09-2001	
Ph		0 969 639	EP	FUJITSU LTD.	01-05-2000	

**Other Prior Art-Non Patent Literature Documents**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check her if English language translation attached
Ph		European Search Report dated March 14, 2005 for European Application No.: 04027867.3	
Ph		European Search Report dated March 14, 2005 for European Application No.: 04027868.1	
Ph		European Search Report dated March 14, 2005 for European Application No.: 04027869.9	
Ph		European Search Report dated March 14, 2005 for European Application No.: 04027870.7	
Ph		European Search Report dated March 9, 2005 for European Application No.: 04027871.5	
Ph		European Search Report dated March 9, 2005 for European Application No.: 04027872.3	
Ph		European Search Report dated March 9, 2005 for European Application No.: 04027873.1	
Ph		SEIICHI YAMANO. The Range of HDSLs and ADSLs in NTT's Local Networks. NTT Transmission Systems Laboratories. IEEE 1994 pages 444	
Ph		DAVID W. LIN. A Tutorial on Digital Subscriber Line Transceiver for ISDN. IEEE International Symposium on Circuits and Systems. pages 839	
Ph		ZIMMERMAN G A ED et al. Achievable rates vs. operating characteristics of local loop transmission: HDSL, HDSL2, ADSL and VDSL. Signals, Systems, & Computers, November 2, 1997. pages 573-577, XP010280818.	
Ph		AL JACKSON. ADSL for High-Speed Broadband Data Service. Aerospace Conference, 1998 IEEE, pages 451-465, XP010286910	
Examiner Signature	Pamby Phunnu		Date Considered 6/12/2005

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1<sup>6</sup> if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.